

WHAT IS CLAIMED IS:

Sup 1. A tablet conveying apparatus for adjusting position of a tablet, comprising:
an arranging device for arranging a long side of the tablet to be perpendicular to
the tablet's moving direction by moving the tablet for a first predetermined distance;

5 and

an oblique plate for making the tablet fall a second predetermined distance.

2. A tablet cutting apparatus for cutting a tablet at a predetermined location,
comprising:

a blade for cutting the tablet;

10 an arranging device for arranging a long side of the tablet to be perpendicular to
the tablet's moving direction by moving the tablet for a predetermined distance;

an oblique plate for making the tablet arranged by the arranging device to fall
along the oblique plate;

a shutter for stopping the tablet fallen from the oblique plate;

15 a retainer device for retaining the tablet from the long side of the tablet stopped
by the shutter; and

a conveying device for conveying the tablet adjusted by the retainer device to a
cutting location.

3. The apparatus of claim 2, wherein the blade is a rotary blade.

20 4. The apparatus of claim 2, wherein the blade is a cutter capable of moving up
and down.

5. The apparatus of claim 2, wherein the conveying device further comprises a
rotary roller and a resilient plate.

6. The apparatus of claim 5, wherein the rotary roller further comprises a groove formed on the center of the circumstance of the rotary roller corresponding to the blade, and a rugged surface formed symmetrically with respect to the groove on the circumstance of the rotary roller.

5 7. The apparatus of claim 2, wherein the arranging device comprises a pushing plate for pushing the tablet to move forwards.

8. The apparatus of claim 2, wherein the arranging device comprises a pushing plate for pushing the tablet to move along an arc path.

10 9. The apparatus of claim 2, wherein the arranging device comprises a pushing plate for pushing the tablet to move along an arc path; and a baffle plate for radially applying a force on the front end of the tablet while the baffle plate is contact with the front end of the tablet.

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G22 10. A tablet cutting apparatus for cutting a tablet at a predetermined location, comprising:

15 a rotary blade for rotationally cutting the tablet;

an arranging device for arranging a long side of the tablet to be perpendicular to the tablet's moving direction by moving the tablet for a predetermined distance;

20 a retainer device for retaining the tablet arranged by the arranging device from the long side of the tablet such that the position of the tablet is coincident with a location corresponding to the rotary blade; and

a conveying device for conveying the tablet adjusted by the retainer device to the location of the rotary blade.

11. A tablet cutting apparatus for cutting a tablet at a predetermined location, comprising:

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a rotary blade for rotationally cutting the tablet;

an arranging device for arranging a long side of the tablet to be perpendicular to the tablet's moving direction by moving the tablet along an arc channel;

a position modification device for further modifying the position of the tablet
5 fallen from the arranging device such that the long side of the tablet is perpendicular to the tablet's falling direction;

a retainer device for retaining the tablet rearranged by the position modification device from the long side of the tablet such that the position of the tablet is coincident with a location corresponding to the rotary blade; and

10 a conveying device for conveying the tablet adjusted by the retainer device to the location of the rotary blade using a rotary roller and resilient plates,

wherein a force applied on the tablet during cutting is similar to that applied to the rotary roller and is for setting a relative position of the rotary blade and the conveying device and a rotational direction of the rotary blade.

15 12. A tablet cutting apparatus for cutting a tablet at a predetermined location, comprising:

a blade for cutting the tablet;

a tablet case for providing the tablet;

an arranging device for arranging a long side of the tablet to be perpendicular to
20 the tablet's moving direction by moving the tablet for a predetermined distance;

an oblique plate for making the tablet arranged by the arranging device to fall along the oblique plate;

a shutter for stopping the tablet fallen from the oblique plate and further rearranging the position of the tablet;

a retainer device for retaining the tablet from the long side of the tablet stopped by the shutter such that the position of the tablet is coincident with a location corresponding to the rotary blade;

a conveying device for conveying the tablet adjusted by the retainer device to a cutting location; and

a position changing device installed along a falling path of the tablet out of the tablet case.

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a23 } 13. A tablet cutting device, comprising:
a blade for cutting the tablet;

an arranging device for arranging a long side of the tablet to be perpendicular to the tablet's moving direction by moving the tablet for a predetermined distance;

an oblique plate for making the tablet arranged by the arranging device to fall along the oblique plate;

a shutter for stopping the tablet fallen from the oblique plate and further rearranging the position of the tablet;

a retainer device for retaining the tablet from the long side of the tablet stopped by the shutter such that the position of the tablet is coincident with a location corresponding to the rotary blade; and

a conveying device for conveying the tablet adjusted by the retainer device to a cutting location,

wherein the retainer device is expanded within a range for guiding the tablet before the conveying device is driven.